

What is claimed is:

1. A method of operating a range finder, the method comprising:
coupling the range finder to a counterweight bar of a bow;
aiming the range finder at a desired target;
activating the range finder;
determining the distance to the target; and
displaying the distance to the target on a display.
2. The method of claim 1, further comprising:
transmitting a laser signal to the target;
bouncing the laser signal off of the target;
receiving the laser signal after it has been reflected back from the object;
calculating the transmission time of the laser signal; and
using the transmission time to determine the distance to the target.
3. The method of claim 1, further comprising:
depressing an activation button to produce an activation signal.
4. The method of claim 3, further comprising:
monitoring for the activation signal; and
when an activation signal is received, determining the distance to a target.
5. The method of claim 1, further comprising:
clearing the display of the distance to the target after a select amount of time has past since the distance was first displayed.
6. The method of claim 5, wherein the select amount of time is approximately 30 seconds.

7. The method of claim 5, further comprising:
when the select amount of time has not passed, monitoring for an activation signal;
when an activation signal is detected, determining the distance to a target; and
displaying the distance to the target.
8. The method of claim 2, further comprising:
coupling a remote control unit that includes the activation button to a riser of the bow for easy activation of the rangefinder during use of the bow.
9. A method of operating a range finder, the method comprising:
coupling the range finder to a bow via a counterweight insert;
aiming the range finder at a desired target;
activating the range finder;
determining the distance to the target; and
displaying the distance to the target on a display.
10. The method of claim 9, further comprising:
depressing an activation button to produce an activation signal.
11. The method of claim 10, further comprising:
coupling a remote control unit that includes the activation button to a riser of the bow for easy activation of the rangefinder during use of the bow.
12. A range finder comprising:
a range finder circuit;
a display electrically connected to the range finder circuit; and

a mounting structure to mount the range finder to a firearm such that a portion of the display is viewable through an existing scope.

13. The range finder as in claim 12, further comprising:
a remote control unit in communication with the range finder control circuit to selectively activate the range finder.
14. The range finder of claim 13, wherein the remote control unit is coupled to a forearm of the firearm.
15. The range finder of claim 13, wherein the remote control unit is coupled to the stock of a firearm.
16. A range finder comprising:
a range finder circuit;
a display electrically coupled to the range finder circuit, the display being adapted to be readable through an existing scope; and
a mounting structure to mount the range finder to a firearm.
17. The remote control as in claim 16, wherein the mounting structure is adapted to mount the rangefinder to the scope of the firearm.
18. The range finder of claim 16, further comprising:
a remote control unit in communication with the range finder control circuit to selectively activate the range finder.
19. The remote control as in claim 18, wherein the remote control unit is coupled to the firearm.

20. A rangefinder comprising:
 - a range finder circuit;
 - a display electrically coupled to the range finder circuit;
 - the display positioned such that a displayed distance is readable through an existing scope; and
 - a mounting structure adapted to mount the range finder to the scope.
21. The range finder of claim 20, further comprising:
 - a remote control unit in communication with the range finder control circuit to selectively activate the range finder.
22. The remote control of claim 21, wherein the remote control unit is coupled to the firearm.
23. A range finder comprising:
 - a range finder circuit;
 - a display electrically coupled to the range finder circuit;
 - the display positioned such that a displayed distance is readable through an existing scope; and
 - a mounting structure to mount the range finder to a portion of the weapon.
24. The range finder of claim 23, wherein the portion of the weapon is the barrel of a firearm.
25. The range finder of claim 23, wherein the portion of the weapon is a scope.
26. The range finder of claim 23, wherein the portion of the weapon is the stock of a firearm.

27. A range finder comprising:
 - a range finder circuit;
 - a display electrically coupled to the range finder circuit;
 - the display being separate from the aiming device;
 - the display positioned such that a displayed distance is readable while aiming the weapon; and
 - a mounting structure to mount the range finder to a portion of the weapon.
28. The range finder of claim 27, wherein the portion of the weapon is a counterweight bar of a bow.
29. The range finder of claim 27, wherein the portion of the weapon is a counterweight insert of a bow.
30. The range finder of claim 27, wherein the portion of the weapon is the barrel of a firearm.
31. The range finder of claim 27, wherein the portion of the weapon is a scope.